keeps out cold air better than boarded floors can do."

The excellent arrangement introduced by Jones, Wren, and others into houses, greatly improved every thing connected with comfort and convenience."

## Correspondence.

COLOURING FOR CEMENT.

WILL any of your practical readers oblige me, and I may say hundreds besides, with a receipt for the above purpose, that will stand in a bleak situation and not wash off? it would be a most desirable thing to know, as all I have hitherto tried only last a few months.—I am, Sir, &c., A BUILDER.

*** Johns' patent stucco *paint* is strongly recommended.

## Miscellanea.

THE SMOKE NUISANCE. — Seven persons were lately fined 40s. each at the Manchester Borough-court, for not consuming the smoke of their steam-engine furnaces. It appears from report of the proceedings in the *Manchester Guardian*, that the question of the practicability of greatly diminishing, if not altogether extinguishing this evil, was set at rest by the evidence of Mr. Henry Holdsworth and Mr. Thomas Ogden, the chimneys of whose works have long set an example to the district. Mr. Holdsworth stated, and, as far as such matters can be proved in a court of justice, proved, that the means essential to an almost perfect combustion of smoke were by no means costly; that, in ordinary cases, they might be applied at a cost of 10*l.* or 15*l.*; and that the result, while it secured all that could be desired in the removal of the nuisance, was in this case attended with a saving in his consumption of fuel of not less than 18 per cent. In the three years, 1838-1840, his consumption of coal was one ton per hour; in 1841 the smoke-consuming apparatus was adapted to his furnace, and in the three following years, 1842-1844, his consumption of coal was reduced to 16 8-10ths cwt. per hour. The general accuracy of these statements impugned by Mr. Armstrong was confirmed by Mr. Fairbairn, C.E., who stated that two simple elements only were needed to ensure the consumption of smoke, a sufficiently high temperature and the admission to the furnace of a sufficient quantity of atmospheric air.

ADMISSION TO PUBLIC BUILDINGS. — We are happy to state that it is her Majesty's intention to abolish the office of state housekeeper at Windsor Castle by granting compensation to the lady who at present holds the office, and thereby getting rid of the unpopular tax upon the public in the shape of housekeeper's fees for shewing the state apartments at Windsor, which will in future be placed under the custody of the Lord Chamberlain. We feel truly grateful for this concession to public opinion, and sincerely hope that this excellent example will be followed in all public places where fees have been hitherto exacted.

HULL GLASS WORKS.—A company is being formed at Hull for the manufacture of glass. The prospectus, which is now before us, states that "the repeal of the duty on glass, and its consequent reduction in price, must necessarily occasion an immense increase in the demand for it, not only as concerns such portion of its manufacture as relates to domestic and horticultural purposes, but in the higher and more elaborate branches of its manufacture in plate and flint glass, as well as in the hitherto unknown articles of water-pipes, drains, and roofing." The capital required is 200,000*l.*, which it is proposed to raise in 10,000 shares of 20*l.* each.

MALT-HOUSE FLOORS. — Mr. Livesey, architect, of Portsmouth says, Claridge's Seyssel Asphalte, laid on a sound concrete bottom, makes the best floor for malt.

KING'S COLLEGE, LONDON. — The classes for engineering, architecture, and manufacturing art will be re-opened on Wednesday, the 1st of October next.

HOUSES OF PARLIAMENT.— Rumour says Mr. Gwilt has been appointed to examine and report on the present state of the building.

* Country and City Purchaser. Art. Building.

ELECTRICITY. — A correspondent of the *Mining Journal* states his opinion that the simultaneous and instantaneous ignition of gas lamps in cities and towns by means of electricity will ere long be substituted for the present slow and irregular method. He further states, "I confess that I am astonished that electricity has never been enlisted into the service of the *steam-engine*, when every sound reflecting mind, and clear intellect, must readily perceive that it must ultimately do away with the present employment of fuel and boilers, and their auxiliaries. I have no pretensions to the vision of the prophetic vista, when I venture to predict that the time is not far distant when the globe will be circumnavigated by the agency of electricity."

## Tenders.

For building St. Mary's Parish Schools and Teachers' House, Chester; Mr. James Harrison, architect:—

| | |
|---|---|
| Messrs. Royle and Son..... | £398 |
| Mr. Wm. Evans ..... | 585 |
| Mr. Wm. Andrews ..... | 575 |
| Thomas Gill and Co..... | 570 |

The latter was accepted.

Tower Hamlets Sewer. At the last meeting only one small sewer, in Devonshire-street, was submitted to public tender; the dimensions were 4 feet by 2 feet 6 inches, length 320 feet. The amounts were as follows:—

| | |
|---|---|
| Livermore ..... | £245 0 |
| Crook ..... | 239 0 |
| Curtis ..... | 236 10 |

### NOTICES OF CONTRACTS.

[We are compelled by the interference of the Stamp Office to omit the names of the parties to whom tenders, &c., are to be addressed. For the convenience of our readers, however, they are entered in a book, and may be seen on application at the office of "The Builder," 2, York-street, Covent-garden.]

For the execution of Works on the Dundalk and Enniskillen railway, being a distance of ten miles.

For the execution of several lengths of Earthwork on the Aberdeen Railway. There are 5 separate Contracts, varying in lengths from 3¼ miles to 4¼ miles.

For the execution of works on the Manchester South Junction and Altringham Railway, in two parts: 1, being a distance of 1¼ mile; 2, being a distance of 7¾ miles.

For the execution of Works on the Manchester and Birmingham Railway in 2 parts. 1. The Ashton Branch, being a distance of about 4¾ miles. 2. The Macclesfield branch, being a distance of about 30 chains, including a tunnel of 330 yards in length.

For the execution of that portion of the Edinburgh and Northern Railway, extending from Burntisland Pier to Kinghorn.

For supplying the Leeds and Thirsk Railway Company with 100,000 Railway Sleepers.

For the execution of works on the East Lancashire Railway, viz., the Accrington Contract, being a distance of about 8 miles.

For the execution of that portion of the Newcastle and Berwick Railway, extending from Netherton to Tweedmouth, being a distance of about 53 miles. To be let in four contracts.

For repairing the Footways of the Streets and Public Places within the liberty of the Bishop of Winchester, Manor of Southwark on the Clink, for one, two, or three years.

For the execution of Works on the Syston and Peterborough Railway, in 2 parts: part 1 being a distance of about 9¼ miles; part 2 being a distance of about 12 miles.

For supplying the Liverpool and Bury Railway Company with Sleepers conformable to specifications.

For Re-building the White Hart Inn, at Beaminster, Dorset.

For supplying the Parish of Christ Church, Surrey, with Guernsey Granite of the best quality, and broken to a two-inch ring.

For the execution of works on the Leeds, Dewsbury, and Manchester Railway, viz., the Churwell Contract, being a distance of about 2¼ miles.

For the execution of a portion of the Edinburgh and Northern Railway, being a distance of about 8 miles; to be estimated for in two lots.

For the execution of the Richmond Branch of the Great North of England Railway.

For supplying the Eastern Union Railway Company, with 8 First Class, 12 Second Class, and 8 Third Class Carriages; to run on six wheels, the gauge being 4 feet 8½ inches.

For the Erection of Stone Booking-offices for Sheffield and Manchester Railway Company.

For supplying 15,000 Sleepers of Larch, 7 feet 6 inches long, and 7 feet 3½ inches at the small end; to be delivered at the Menai Bridge, Holyhead, within the next four months.

### APPROACHING SALES OF WOOD, &c.

BY AUCTION.

At the Ship Yard, Ipswich: a large quantity of Oak Timber and Planks, &c.

At Heytesbury, Wilts: about 4,000 feet of 1-inch and ¾-inch Oak Boards; 1,200 of 1-inch, 1¼-inch, and 1½-inch Oak Quarter Board: from 2,000 to 3,000 feet of Elm, Ash and other Board of various thicknesses; 900 feet of 2, 3 and 4-inch Oak Plank; 3,000 feet of Oak, Ash, and Elm Quarter and Plank, from 2½ to 4-inches thick.

At Little Bentley Hall, Essex: 1,500 particularly straight and good Larch Firs.

At the Star Inn, Fordingbridge: 670 good Oak, 266 large Fir, 19 clean Ash, 19 very fine Beech, 4 Elm, and 4 Aspen Trees.

In the brick fields adjoining the road from Folkstone to Cherrington: 56 clamps of Bricks, containing about 3,000,000.

At Wivenhoe, near Colchester: a quantity of Oak, Ash, and Elm Timber, 50 Oak and Elm Pollards, and a lot of Elm Seconds.

ERRATUM.—In our statement last week of the Tenders for erecting a New Infirmary at the Lambeth Workhouse, we affixed the sum of 1,244*l.* against Mr. Wilson's name; it should have been 1,544*l.*

### TO CORRESPONDENTS.

"H. L." (London) *will find the information he wishes, on cast-iron beams, in Hodgkinson's "Experimental Researches," forming Part II. to Tredgold's "Practical Essay on the Strength of Cast-iron."*

"G. C."—*We believe that Mr. B. Green has not published any work on skew bridges.*

"Z. A." *wishes to know in what year Carmarthen Market was built, and the name of the architect.*

"J. W." (York) *must pardon us for not replying. We will do so shortly.*

"T. T." (Ringwood).—*Jeffery's Marine Glue Works are at Limehouse. By addressing a letter the information may be obtained. Evidence is strong in its favour.*

"W." (Reading).—*Dr. Guy's Ventilator is described and illustrated*, p. 21, ante.

"Thomas Smith" (Bermondsey). — *We shall be glad to know the result of the last hearing. We are disposed to think the district surveyor has no right to interfere.* Bridges *are under special supervision.*

"T. O. M."—*If it be understood that the district surveyor will permit the front ground to be built on, and the proper steps be taken, party-walls may be raised.*

"Comus."—*A beginner cannot do better than obtain "The Art of Land Surveying," by John Querist. (Kelly and Fletcher, 17, Cornhill.)*

"T. L. C." *will find Rickman's "Attempt to Discriminate the Styles of Architecture," a very useful work. Ask for the last edition.*

"T. C." (Slough).— *To fasten the canvasses together in lining old pictures, equal quantities of cobbler's paste and glue, applied hot, may be used; a few drops of creozote should be added, to prevent vegetation.*

"Mr. G." (Chelsea).—*We regret there was not time to avail ourselves of the offer.—We shall be glad to receive additional information.*

"Truth" *shall be considered. The assertions it contains should be authenticated by the name of the writer.*

"W. H. T." *will see we have availed ourselves of his note.*

"A Reader of your Publication."—*We are unable to give the direction required. If our correspondent will favour us with his address, we will write to him on the other point.*

"Self-acting Water Closet."—*We will learn for various inquirers where this can be had.*

"Dr. L."—*We will write in a day or two.*

Received. — "H. J. L." "H. Baines." "A Shopkeeper."

### ADVERTISEMENTS.

ROYAL ADELAIDE GALLERY.—NOVEL ENTERTAINMENT.—Atmospheric Railway daily, with explanatory lecture. The New Zealand Chief, Pahe a Range, will give a course of Lectures on the Manners and Customs of New Zealand, in the evenings of Monday, Wednesday, and Friday next. Mr. Russell continues to deliver his unequalled Lectures on Character, Tuesday, Thursday, and Saturday Evenings. Lectures on Science, &c., Daily, including Major Beaumont's Artificial Memory: Beale's Rotatory Steam-engine; Hollman's Locomotive Engine for ascending Inclines on railways. Every Evening a grand Promenade Concert, supported by first-rate talent, both vocal and instrumental.

To learn about PDF Compression and OCR visit our website